



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000070388

Submitted Date

19-09-2024

PART A

Company Information

Company Name

Lupin Limited

Application UAN number

MPCB-CONSENT-0000163086

Address

Survey No. 30/10 to 30/13 & 64/7, Plot No. T-142, MIDC
Tarapur, Tal & Dist- Palghar -401 506 Tel. No.
02525-243300

Plot no

Survey No.-30/10 to 30/13 & 64/7

Taluka

Palghar

Village

MIDC Tarapur

Capital Investment (In lakhs)

107665

Scale

L.S.I

City

Palghar

Pincode

401506

Person Name

Akash Patel

Designation

Sr. General Manager

Telephone Number

9898035317

Fax Number

02525273402

Email

akashspatel@lupin.com

Region

SRO-Tarapur I

Industry Category

Red

Industry Type

R58 Pharmaceuticals

Last Environmental statement submitted online

yes

Consent Number

MPCB-CONSENT-0000163086

Consent Issue Date

2024-04-23

Consent Valid Upto

2029-04-30

Establishment Year

1993

Date of last environment statement submitted

Sep 27 2023 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

API

Consent Quantity

1599.15

Actual Quantity

954.09

UOM

MT/A

By-product Information

By Product Name

NA

Consent Quantity

0

Actual Quantity

0

UOM

MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
	877.50	406.43
Cooling	1100.00	207.24
Domestic	120.00	95.19
All others	150.00	23.93
Total	2247.50	732.79

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	1009.6	546.76	CMD
Domestic Effluent	95	53.00	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Basic Drugs	130.93	155.91	Ton/Ton

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Raw Material	6.31	6.09	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Furance Oil	11405.52	433.543	MT/A
Briquettes	22836	17065	MT/A
Natrural Gas (PNG)	102576	8277	SCM/Day
HSD	6852	128.91	KL/A

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
NA as combine effluent is treated in ETP followed by ZLD plant. Recovered water is recycled and reused in Utilities.	0	0	0	NA	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
Boiler NG - TPM (10 TPH)	11.34	42.09	-	50 mg/Nm3	-

Boiler NG -NOx (10 TPH)	1.49	10.20	-	50 mg/Nm3	-
Boiler FO - TPM (12 TPH)	8.57	34.45	-	50 mg/Nm3	-
Boiler FO - NOx (12 TPH)	1.12	4.46	-	50 mg/Nm3	-
Boiler NG - TPM (12 TPH)	18.86	39.74	-	50 mg/Nm3	-
Boiler NG -NOx (12 TPH)	1.90	4.01	-	50 mg/Nm3	-
Boiler NG - TPM (12 TPH)	24.11	39.74	-	50 mg/Nm3	-
Boiler NG -NOx (12 TPH)	2.43	4.01	-	50 mg/Nm3	-
Boiler NG - TPM (10 TPH)	15.62	42.88	-	50 PPM	-
Boiler NG -NOx (10 TPH)	1.10	4.74	-	50 Mg/Nm3	-
Boiler NG - SO2 (10 TPH)	30.08	84.38	-	195.36 kg/day	-
Boiler Briquette - TPM (8 TPH)	33.70	43.33	-	50 mg/Nm3	-
Boiler Briquette - TPM (8 TPH)	41.58	43.33	-	50 mg/Nm3	-
DG Set No-1 - TPM (2.5 MW)	0.039	41.862	-	50 mg/Nm3	-
DG Set No-1 - SO2 (2.5 MW)	6.463	45.383	-	105 Kg/Day	-
DG Set No-2 - TPM (2.5 MW)	0.032	42.688	-	50 mg/Nm3	-
DG Set No-2 - SO2 (2.5 MW)	5.020	35.320	-	105 Kg/Day	-
DG Set No-11 - TPM (1.2 MW)	0.003	41.008	-	50 mg/Nm3	-
DG Set No-11 - SO2 (1.2 MW)	0.270	52.912	-	105 Kg/Day	-
DG Set No-12 - TPM (1.2 MW)	0.002	42.458	-	50 mg/Nm3	-
DG Set No-12 - SO2 (1.2 MW)	0.910	106.011	-	105 Kg/Day	-
DG Set No-13 - TPM (1.2 MW)	0.015	41.718	-	50 mg/Nm3	-
DG Set No-13 - SO2 (1.2 MW)	1.010	112.047	-	105 Kg/Day	-
DG Set No-14 - TPM (1.2 MW)	0.006	43.008	-	50 mg/Nm3	-
DG Set No-14 - SO2 (1.2 MW)	0.616	32.113	-	105 Kg/Day	-
DG Set No-15 - TPM (1.2 MW)	0.002	42.777	-	50 mg/Nm3	-
DG Set No-15 - SO2 (1.2 MW)	0.564	61.224	-	105 Kg/Day	-
DG Set No-16 - TPM (1.2 MW)	0.004	42.468	-	50 mg/Nm3	-
DG Set No-16 - SO2 (1.2 MW)	0.851	95.194	-	105 Kg/Day	-
PG Set No-1 - TPM (2.5 MW)	0.134	42.498	-	50 mg/Nm3	-
PG Set No-1 - SO2 (2.5 MW)	20.564	36.005	-	276 Kg/Day	-
PG Set No-1 - TPM (2.5 MW)	0.102	41.243	-	50 mg/Nm3	-
PG Set No-1 - SO2 (2.5 MW)	15.244	27.131	-	276 Kg/Day	-
Process Vent Scrubber SO2 S-16	3.74	0	-	50 PPM	-
Process Vent Scrubber HCl S-16	0	5.19	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-16	0	5.55	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-16	0	0.60	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-17	4.80	0	-	50 PPM	-
Process Vent Scrubber HCl S-17	0	9.20	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-17	0	6.27	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-17	0	3.39	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-18	2.76	0	-	50 PPM	-

Process Vent Scrubber HCl S-18	0	7.47	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-18	0	9.63	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-18	0	1.33	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-19	2.45	0	-	50 PPM	-
Process Vent Scrubber HCl S-19	0	4.85	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-19	0	1.00	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-19	0	1.03	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-20	2.31	0	-	50 PPM	-
Process Vent Scrubber HCl S-20	0	1.17	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-20	0	3.15	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-20	0	0.51	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-21	2.75	0	-	50 PPM	-
Process Vent Scrubber HCl S-21	0	0.80	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-21	0	3.54	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-21	0	0.34	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-22	1.54	0	-	50 PPM	-
Process Vent Scrubber HCl S-22	0	0.48	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-22	0	0.27	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-22	0	0.05	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-23	12.07	0	-	50 PPM	-
Process Vent Scrubber HCl S-23	0	3.95	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-23	0	3.38	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-23	0	0.39	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-24	6.92	0	-	50 PPM	-
Process Vent Scrubber HCl S-24	0	0.95	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-24	0	3.29	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-24	0	0.58	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-25	2.78	0	-	50 PPM	-
Process Vent Scrubber HCl S-25	0	3.58	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-25	0	3.27	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-25	0	0.76	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-26	6.14	0	-	50 PPM	-
Process Vent Scrubber HCl S-26	0	2.70	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-26	0	2.86	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-26	0	0.72	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-27	2.46	0	-	50 PPM	-
Process Vent Scrubber HCl S-27	0	2.50	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-27	0	5.55	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-27	0	0.40	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-28	3.32	0	-	50 PPM	-
Process Vent Scrubber HCl S-28	0	3.51	-	35 Mg/Nm3	-

Process Vent Scrubber Ammonia S-28	0	7.78	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-28	0	0.04	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-31	1.60	0	-	50 PPM	-
Process Vent Scrubber HCl S-31	0	1.18	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-3	0	0.42	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-31	0	0.001	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-33	6.34	0	-	50 PPM	-
Process Vent Scrubber HCl S-33	0	7.17	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-33	0	0.12	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-33	0	0.34	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-34	6.10	0	-	50 PPM	-
Process Vent Scrubber HCl S-34	0	3.87	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-34	0	3.31	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-34	0	0.41	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-35	6.81	0	-	50 PPM	-
Process Vent Scrubber HCl S-35	0	8.90	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-35	0	3.26	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-35	0	0.30	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-37	2.65	0	-	50 PPM	-
Process Vent Scrubber HCl S-37	0	1.69	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-37	0	4.38	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-37	0	0.75	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-38	5.98	0	-	50 PPM	-
Process Vent Scrubber HCl S-38	0	8.04	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-38	0	3.54	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-38	0	0.72	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-39	5.69	0	-	50 PPM	-
Process Vent Scrubber HCl S-39	0	6.89	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-39	0	3.44	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-39	0	1.10	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-40	9.68	0	-	50 PPM	-
Process Vent Scrubber HCl S-40	0	6.57	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-40	0	3.75	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-40	0	0.04	-	35 Mg/Nm3	-
Process Vent Scrubber SO2 S-41	3.17	0	-	50 PPM	-
Process Vent Scrubber HCl S-41	0	1.03	-	35 Mg/Nm3	-
Process Vent Scrubber Ammonia S-41	0	4.30	-	50 Mg/Nm3	-
Process Vent Scrubber Acid Mist S-41	0	0.58	-	35 Mg/Nm3	-

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	4.98	6.01	MT/A
28.1 Process Residue and wastes	1437.37	1636.29	MT/A
28.3 Spent carbon	129.37	114.79	MT/A
28.4 Off specification products	15.35	26.17	MT/A
28.5 Date-expired products	10.83	4.10	MT/A
28.6 Spent organic solvents	3623.58	3666.28	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	375.62	532.68	MT/A
36.1 Any process or distillation residue	615.48	776.77	MT/A
28.1 Process Residue and wastes	36.18	31.73	MT/A
28.1 Process Residue and wastes	0.00	12.37	MT/A
28.1 Process Residue and wastes	77.24	75.69	MT/A
28.1 Process Residue and wastes	8.11	22.15	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
37.3 Concentration or evaporation residues	2000.44	2258.56	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	6.01	MT/A	Used Oil
28.6 Spent solvents	3666.28	MT/A	Mixture of Organic & inorganic Impurities.

36.1 Any process or distillation Residue	776.77	MT/A	Mixture of Organic & inorganic Impurities.
28.1 Process Residue and wastes	1636.29	MT/A	Mixture of Organic & inorganic Impurities.
28.3 Spent carbon	114.79	MT/A	Mixture of Organic & inorganic Impurities.
28.4 Off specification products	26.17	MT/A	Mixture of Organic & inorganic Impurities.
28.5 Date Expired Product	4.10	MT/A	Mixture of Organic & inorganic Impurities.
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	532.68	MT/A	PVC/ HDPE
28.1 Process waste-Tributyl tin chloride	12.37	MT/A	Mixture of Organic & inorganic Impurities.
28.1 Process waste-R R mandelate salt	75.69	MT/A	Mixture of Organic & inorganic Impurities.
28.1 Process waste-Immidazole Hydrochloride	22.15	MT/A	Mixture of Organic & inorganic Impurities.
28.1 Process waste-Piprazine di acetate	31.73	MT/A	Mixture of Organic & inorganic Impurities.
37.3 Concentration or evaporation residues	2258.56	MT/A	ATDF dryer salt

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Mycellia waste + ETP Sludge	4454.75	MT/A	Composting and to sale Authorized Party
Canteen Waste	94.00	MT/A	In house Composting /Piggeries
Metallic Scrap (MS, SS, Aluminum etc.)	663.59	MT/A	Sale to authorized Party
Metallic Scrap- Old Machinery	191.44	MT/A	Sale to authorized Party
Glass Scrap - Crushed Glass	28.87	MT/A	Sale to authorized Party
Cables	15.12	MT/A	Sale to authorized Party
Paper /fibre /cotton/ wood	134.12	MT/A	Sale to authorized Party
Plastic Waste	6.39	MT/A	Sale to authorized Party
Agrowaste Boiler Ash	2702.00	MT/A	Used as Manure and sale to brick manufactures

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Total Expenditure incurred in pollution control measures (Recurring Cost).	0	0	0	0	3762	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Dewatering System - of Screw Press Filter	Sludge Filtration system	40
Dewatering system - Paddle Dryer	Solid Waste Reduction	49
Agro waste Boiler	Briquette Fuel Boiler	800

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

The company has done extensive tree plantation in factory premises. The company is constantly monitoring the ambient air, noise level in & around the plant and ensures the norms are maintained. Training on environmental awareness and industrial safety is being regularly organized for company employees. The company has implemented energy conservation program vide training, lecture for employees. 317 nos. of trees planted at the end of March-24 & 5231 No. of trees surviving as on 31st March 2024.

Name & Designation

Akash S Patel (Sr. GM- MFG Site Head)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000070388

Submitted On:

19-09-2024